

WHAT IS CLAIMED IS:

1. A sun visor for a motor vehicle comprising:
a pivot rod adapted to attach with a vehicle headliner;
a first shell having at least one arcuate surface on an interior side;
5 a second shell having at least one arcuate surface on an interior side;
said shells being engageable to form an elongate visor body;
wherein an engagement of said shells substantially aligns said arcuate
surfaces about said pivot rod, said surfaces thereby rotatably and slidably
retaining said pivot rod with said visor body.
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2. The sun visor of claim 1 wherein said arcuate retaining surfaces are
arcuate ledges formed integrally with said shell portions.
3. The sun visor of claim 2 further comprising first and second arcuate ledges
15 on said first and second shell portions, wherein said arcuate ledges are positioned
substantially opposite one another about said pivot rod when said shells are
engaged.
4. The sun visor of claim 1 wherein said arcuate retaining surfaces are each
20 substantially partially cylindrical and extend in a direction substantially parallel to
a longitudinal peripheral edge of said visor body.

5. The sun visor of claim 1 wherein the first and second shells are attached along a longitudinal peripheral edge, said shells being engageable by a folding along said edge thereby aligning said arcuate surfaces about said pivot rod.

5 6. The sun visor of claim 1 further comprising:
a combination slider and detent attached to said pivot rod, said slider being laterally offset from said pivot rod; and
channels integrally molded in each of said first and second shells and adapted to slidably retain the slider therebetween.

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7. A sun visor for a motor vehicle comprising:
a pivot rod;
a combination slider and detent attached to said pivot rod;
a first shell having a first longitudinal channel integrally molded therein;
15 a second shell having a second longitudinal channel integrally molded therein;
said shells being engageable to form an elongate visor body;
wherein engagement of said shells substantially aligns said first and second longitudinal channels about portions of said slider, said shells slidably
20 retaining said slider therebetween.

8. The sun visor of claim 7 further comprising arcuate retaining surfaces integrally formed with said first and second shell portions, wherein engagement of said shell portions aligns said arcuate retaining surfaces about said pivot rod.

5 9. The sun visor of claim 7 wherein said slider comprises a substantially planar body having at least one locating projection extending in a direction substantially normal to the planar body.

10. The sun visor of claim 9 wherein said slider comprises a plurality of
10 locating projections extending from opposite sides of said planar body extending into said channels.

11. The sun visor of claim 10 wherein said longitudinal channels comprise dual parallel wall portions projecting from said shells and adapted to slidably
15 retain said plurality of locating projections.

12. The sun visor of claim 10 wherein said locating projections each comprise substantially linear edges along opposite sides thereof, said linear edges aligning substantially flush with said wall portions when said shells are engaged.

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13. The sun visor of claim 7 wherein said combination slider and detent comprises:

a plurality of clip members opposed about said pivot rod; and

a substantially planar slider body attached to said clip members, and having a plurality of locating projections extending in a direction substantially normal to an orientation of said planar body, said locating projections slidable in said channels when said shells are engaged.

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14. A method of manufacturing a sun visor comprising the steps of:

molding first and second visor shells, wherein the visor shells are adapted to fit together to form an elongate visor body, and wherein at least one of the shells includes a molded longitudinal channel on an interior side;

10 aligning a slider attached to a pivot rod with the at least one shell having the channel, wherein at least portions of the slider are positioned in the channel;

attaching the shells, thereby aligning the first and second shells such that the slider is slidably retained between the shells and at least portions of the slider are maintained within the channel during a sliding of the slider;

15 wherein the slider is secured between the visor shells in a single assembly step, and is thereby slidably retained by said visor shells.

15. The method of claim 14 wherein the step of molding first and second visor shells comprises molding the shells such that at least one of the shells includes a
20 channel formed from thin walls projecting substantially normal to an interior surface of the shell.

16. The method of claim 15 wherein the step of molding first and second visor shells comprises molding the shells such that each of the shells includes a channel formed from thin walls projecting substantially normal to an interior surface of the shell, wherein said channels are adapted to engage locating projections on said slider.

17. The method of claim 14 wherein the step of molding first and second visor shells comprises:

 molding the first and second shells to include arcuate retaining surfaces having partially circular cross sections, wherein the arcuate retaining surfaces rotatably and slidably retain the pivot rod.

18. A sun visor manufactured according to the method of claim 14.

19. The method of claim 14 wherein the molding step further comprises molding first and second visor shells attached along a longitudinal peripheral edge.

20. The method of claim 14 wherein the molding step further comprises molding first and second brackets laterally offset from the channel adapted to receive a support arm.

21. A sun visor for a motor vehicle comprising:

a first visor shell having a channel;

a second visor shell engageable with said first visor shell to form a hollow elongate visor body;

5 a slider positioned in said visor body, said slider comprising a plurality of supporting protrusions slidably engaging said channel;

a detent assembly attached to said slider;

a support arm offset from said channel and slidably engaging said slider.

22. The sun visor of claim 21 wherein said first visor shell comprises at least
10 one stop; and

said slider comprises at least one end protrusion substantially mating with said at least one stop.

23. The sun visor of claim 22 further comprising at least two stops at different
15 lateral positions relative to a sliding direction of said slider, each adapted to receive end protrusions on said slider, thereby facilitating rotational adjustment of said visor body relative to said slider.

24. The sun visor of claim 21 wherein said second visor shell comprises a
20 channel; and

said slider comprises a plurality of supporting protrusions extending from opposite sides thereof, said supporting protrusions slidably engaging channels in the first and second visor shells.

25. The sun visor of claim 21 wherein said first visor shell comprises at least one hoop support adapted to slidably and rotatably journal a pivot rod.

5 26. The sun visor of claim 21 wherein said support arm comprises a substantially cylindrical elongate member received in mounting brackets on one of said first or second visor shells.

27. A sun visor for a motor vehicle comprising:
10 a first molded visor shell having a plurality of hoop supports;
 a second molded visor shell attachable to said first visor shell to form an elongate hollow visor body;
 a pivot rod rotatably and slidably journaled in said hoop supports;
 a combination slider and detent attached at an end of said pivot rod and
15 rotatable relative thereto, said combination slider and detent comprising a plurality of supporting protrusions;
 a first channel formed integrally with said first visor shell;
 a second channel formed integrally with said second visor shell;
 wherein an attachment of said first and second visor shells orients said
20 first and second channels substantially in opposition about said combination slider and detent, said channels thereby slidably engaging said supporting protrusions, an engagement therebetween substantially preventing displacement of said visor relative to said slider in a direction transverse to a sliding direction.

28. The sun visor of claim 27 further comprising a support arm attached to an inside of one of said first and second shells and slidably engaging said combination slider and detent.

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29. The sun visor of claim 28 wherein said combination slider and detent comprises a slider having a plurality of journals rotatably retaining said pivot rod and a plurality of supporting extensions slidably engaging said support arm.